






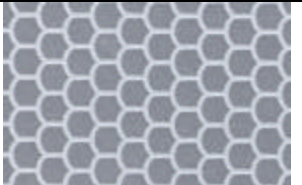
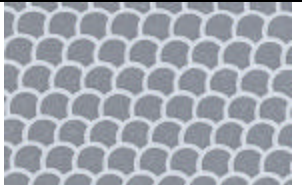



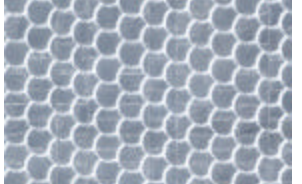
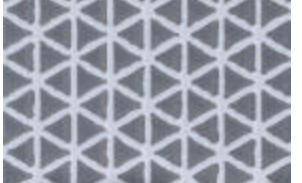








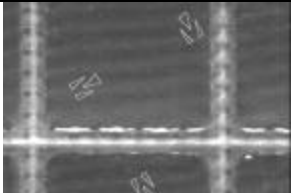
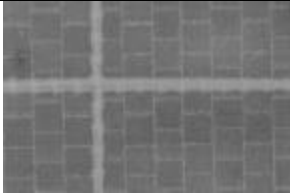
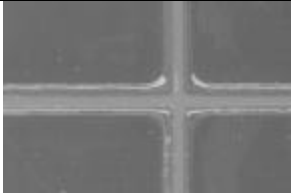

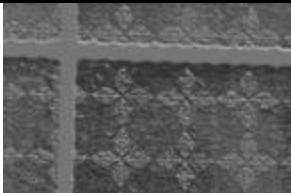


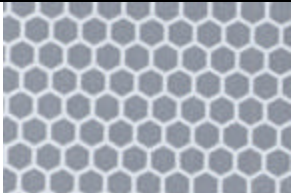



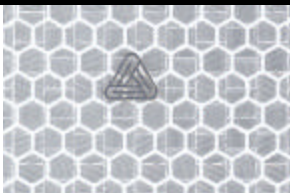

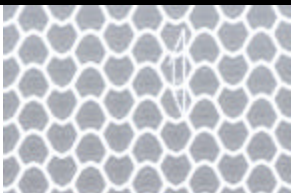







Retroreflective Sheeting Identification Guide

Current as of 11/16/2001

ASTM Type	Notes: Photographs show the sheeting pattern at actual size. Symbols depict watermark visible on sheeting when viewed up close (not shown at actual size.) The “Type” designations used in this guide are ASTM D 4956-01 classifications <u>as stated by the manufacturers.</u> FHWA does not endorse or approve any material nor does it determine what type category(s) a material may be. Fluorescent colors are not currently defined by ASTM D 4956-01.			
I	Commonly referred to as Engineer Grade. Enclosed lens glass bead materials have a uniform appearance without any pattern or identifying marks. It is indistinguishable from grades lower in reflectivity and durability such as “utility” and “commercial” grade.			
II	Super Engineer Grade – Identical in appearance to Type I except for addition of identifying marks as pictured. Avery Dennison® 	Super Engineer Grade – Identical in appearance to Type I except for addition of identifying marks as pictured. Nippon Carbide 		
III	Symbols used for special applications: High Intensity 3M™  Cones  Drums  Tubes  Signs (Temporary)			
	High Intensity ATSM Rigid Surface		Series 5000 Avery Dennison® Rigid Surface	
	Series 6000 Avery Dennison® Rigid Surface		High Intensity LG Lite Rigid Surface	
	High Performance Ultra Lite Grade II (ULG II) Nippon Carbide Rigid Surface		WR - 6100 Avery Dennison® Reboundable Devices	
	High Impact Channelizer Tape Reflexite Reboundable Devices		22000 Series Kiwalite® Rigid Surface	
	Series 6000 Avery Dennison® Rigid Surface			
	IV			
V	AR 1000 Reflexite Barrier Delineators 		AP1000 Reflexite Railroad Sign Backs and Supports, End of Road Barricade	

VI	Series RS20 3M™ Roll-Up Signs			Series RS30 3M™ Roll-Up Signs		
	WU-6014 Avery Dennison® Roll-Up Signs			Flagging Material Reflexite Nighttime Flagging		
	High Performance (Marathon Fluorescent) Reflexite® Roll-Up Signs			Super Bright Fluorescent Reflexite Roll-Up Signs		
	Preformed Cone Collar Reflexite Cones			3840 Cone Sleeves 3M™ Cones		
VII	Diamond Grade™LDP 3M™ Rigid Surface					
VIII	Series 7000 Avery Dennison® Rigid Surface			Crystal Grade Nippon Carbide Rigid Surface		
	Diamond Grade™NAP 3M™ Rigid Surface					
IX	Diamond Grade™VIP 3M™ Rigid Surface					
*Unassigned/ Proposed	Resilience™ Channelizer Tape Reflexite Reboundable Devices			Endurance™ Sign System Reflexite Temporary Rigid Signs		

*The materials in “Unassigned/Proposed” box have yet to be classified

Contact information: www.3M.com/tcm - www.reflectives.averydennison.com - www.nikkalite.com - www.reflexite.com
www.atsminc.com - www.kiwa-lite.com - www.lgchem.com

Developed by the Federal Highway Administration - <http://safety.fhwa.dot.gov/programs/retroref.htm>